

PATENT ABSTRACTS OF JAPAN

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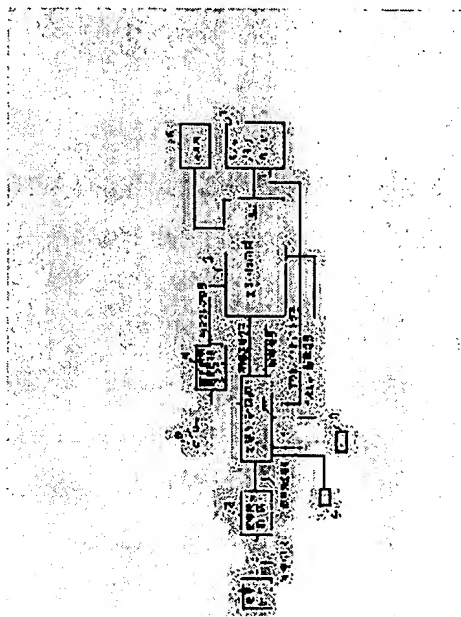
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(54) PORTABLE ELECTRONIC EQUIPMENT HAVING SHOCK DETECTION CIRCUIT

(57)Abstract:

PURPOSE: To enable the self-diagnosis of equipment to be executed by interrupting power supply, when the shock detection means of the equipment detects a shock during the operation thereof, and saving a shock signal and undertaking access prohibit control at a power supply start, when the shock is detected during the non-operation of the equipment.

CONSTITUTION: If equipment undergoes a shock during operation, a shock sensor 1 detects a shock in each direction of X-, Y- and Z-axes. When the total of each shock exceeds a threshold value, a detection circuit 2 sends a detected signal to a power control circuit 3, and interrupts power supply to a main control circuit 5 and other circuits. Also, if the equipment at rest undergoes a shock, the detection circuits 2 transmits a detected signal, when the shock exceeds the threshold value, and the circuit 3 saves and holds the signal, as both of the aforesaid circuits 2 and 3 are always supplied with power. When an operator turns on a power switch 8, the circuit 3 checks the existence of shock experience, and if any shock experience is found, actuates a self-diagnosis time monitor timer 4. Concurrently, an access prohibit signal is sent to a memory card 7, a shock experience signal is sent to the circuit 5 and power



is supplied thereto. At this time, the operator causes the self-diagnosis program of ROM 6 to run.

LEGAL STATUS

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